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(54) METHOD FOR SMOOTHING JAG

(57) Abstract:

PURPOSE: To execute the coordinate transformation without deteriorating picture quality by detecting a pointed part and a picture element, in which an expansion occurs, in a picture from the moving quantity of each picture element and moderating the moving of each picture element accompanying the coordinate transformation.

CONSTITUTION: The moving quantity necessary for the coordinate transformation is obtained, and the boundary between an object picture element and another picture element adjacent to the object picture element in a direction orthogonal to a moving direction having different moving quantity is detected. Further, the jag

is erased by either replacing the densities of the picture elements to put the boundary between them with the weighted mean value of the densities of two picture elements positioned forward and backward in the moving direction or detecting the boundary between the object picture element and other picture element adjacent to the object picture element in the moving direction having different moving quantity and replacing the densities of the picture elements to put the boundary between them with the weighted mean value of the densities of the two picture elements positioned forward and backward in the moving direction. Thus, the coordinate transformation of the picture can be executed without deteriorating picture quality.

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